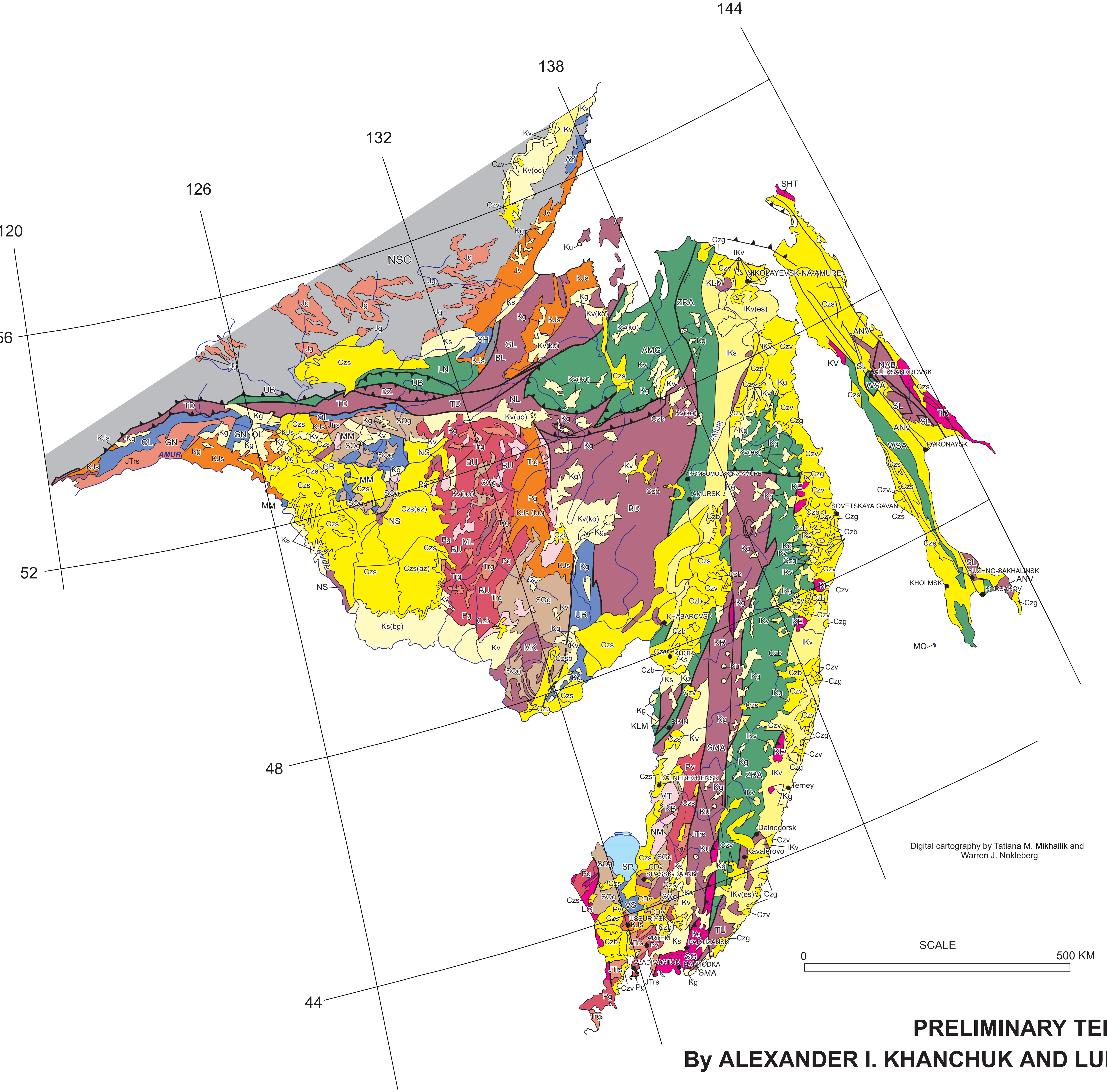

Digital cartography by Tatiana M. Mikhailik and
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Devonian, Triassic, Jurassic, Cretaceous, and Cenozoic Overlap Sedimentary Assemblages and Basinal Deposits

Czs	Sedimentary rocks (Cenozoic)
LKs	Sedimentary rocks (Late Cretaceous)
Ks	Sedimentary rocks (Early Cretaceous)
KJs	Sedimentary rocks (Jurassic and Cretaceous)
JTrs	Sedimentary rocks (Triassic and Jurassic)

Paleozoic, Mesozoic, and Cenozoic Volcanic Sedimentary Assemblages and Basinal Deposits

Czb	Basalt (Late Cenozoic and Quatenary) (Intraplate)
Czv	Bimodal volcanic rocks (Cenozoic) (Transform continental margin, Californian type)
lKv	Volcanic (Late Cretaceous) (Active continental margin)
Kv	Bimodal volcanic rocks (Cretaceous) (Transform continental margin, Californian type)
Jv	Volcanic rocks (Jurassic) (Active continental margin)
Pv	Volcanic and sedimentary rocks (Permian)
CD	Volcanic and sedimentary rocks (Devonian and Middle Carboniferous) (Rift-related)

Plutonic Rocks

Czg	Granitoid rocks (Early Cenozoic) (Transform continental margin, Californian type)
lKg	Granitoid rocks (Late Cretaceous) (Active continental margin)
Kg	Cranitoid rocks (Early and Late Cretaceous) (Transform continental margin, Californian type)
Ku	Alkali ultramafic and mafic rocks (Early Cretaceous) (Transform continental margin, Californian type)
Jg	Granitoid rocks (Jurassic) (Transform continental margin, Californian type)
Trg	Granitoid rocks (Triassic) (Collisional)
Pg	Granitoid rocks (Pernian) (Active continental margin)
SOg	Granitoid rocks (Ordovician and Silurian) (Collisional)

Tectonostratigraphic Terranes (arranged alphabetically by map symbol; interpreted tectonic environment and region in parentheses)

NSC	North Asian Craton
BU	Bureya superterrane (metamorphic and continental margin arc)
AMG	Amgun terrane (continental margin turbidite) (Jurassic).
ANV	Aniva terrane (accretionary wedge - dominantly oceanic rocks).
AY	Ayan terrane (passive continental margin) (Paleozoic).
BD	Badzal terrane (accretionary wedge - dominantly oceanic rocks) (Jurassic).
BL	Baladek terrane (cratonal)
CR	Churki terrane (passive continental margin) (Triassic)
GL	Galam terrane (accretionary wedge - dominantly oceanic rocks) (Paleozoic)
GN	Gonzha terrane (passive continental margin) (Paleozoic)
GR	Gar terrane (accretionary wedge - dominantly oceanic rocks) (Late Paleozoic)
KB	Kabarga terrane (accretionary wedge) (Early Paleozoic)
KE	Kema terrane (island arc) (Middle Cretaceous)
KLM	Kiselyovka - Manoma terrane (accretionary wedge - dominantly oceanic rocks) (Middle Cretaceous)
KR	Khor terrane (island arc) (Early Paleozoic)
KV	Kamyshovy terrane (island arc) (Middle Cretaceous)
LN	Lan terrane (continental margin turbidite) (Triassic)
LG	Laoelin - Grodekov terrane (island arc) (Permian)
MK	Mlokhingansk terrane (accretionary wedge - dominantly oceanic rocks) (Early Paleozoic)
ML	Melgin terrane (accretionary wedge - dominantly oceanic rocks) (Early Paleozoic)
MM	Mamyn terrane (passive continental margin) (Archean)
MO	Moneron terrane (island arc) (Early Cretaceous)
MT	Matveevka terrane (metamorphic) (Early Paleozoic)
NAB	Nabilsky terrane (accretionary wedge - dominantly oceanic rocks) (Late Cretaceous).
NM	Nakhimovka terrane (metamorphic) (Early Paleozoic)
NR	Nora terrane (continental margin arc) (Late Paleozoic)
NS	Nora - Sukhotin terrane (accretionary wedge - dominantly oceanic rocks) (Late Paleozoic)
OL	Oldoy terrane (passive continental margin) (Paleozoic).
SMA	Samarka terrane (accretionary wedge - dominantly oceanic rocks) (Jurassic)
SG	Sergeevka terrane (island arc) (Early Paleozoic)
SH	Shevlin terrane (passive continental margin) (Paleozoic)
SHT	Shmidt terrane (island arc) (Cretaceous)
SL	Sosunay - Langeri terrane (accretionary wedge - dominantly oceanic rocks) (Middle Cretaceous)
SP	Spassk terrane (accretionary wedge - dominantly oceanic rocks) (Paleozoic)
TU	Taukha terrane (accretionary wedge - dominantly oceanic rocks) (Early Cretaceous)
TR	Terpeniya terrane (island arc) (Late Cretaceous).
TD	Tukuringra - Dzhagdi terrane (accretionary wedge)
UB	Uniya - Bom terrane (continental margin turbidite) (Jurassic).
UR	Urmi terranne (passive cointinental margin)
VS	Voznesenka terrane (passive continental margin) (Early Paleozoic)
WSA	West Sakhalin terrane (flysch) (Late Cretaceous)
ZRA	Zhuravlevsk - Amur River terrane (continental margin turbidite) (Early Cretaceous)

Overlap Assemblages of Sedimentary and Volcanic Rock Units (used in combination with age and lithological symbol where space permits)

(az)	Amur-Zeya sedimentary basin (Late Jurassic to Quaternary)
(bg)	Blagovechensk sedimentary basin (Late Cretaceous to Quaternary)
(bu)	Bureya sedimentary basin (Early Jurassic to Early Cretaceous)
(es)	East Sikhote-Alin volcanic-plutonicbelt (Late Cretaceous)
(ko)	Khingan-Okhotsk volcanic-plutonic belt (Cretaceous)
(oc)	Okhotsk-Chukotka volcanic-plutonic belt (Early Cretaseous (Albian) to Late)
(uo)	Umlekam-Ogodzhin volcanic-plutonic belt (Cretaceous)

Geological Map Symbols, Contacts, and Faults

- Depositional or intrusive contact along margin of overlap assemblage or stitching pluton. Accretionary fault between terranes where not reactivated along post-accretionary fault or where not partly covered by overlap assemblage.
- Post-accretion fault major fault; sense of displacement unknown. Dashed where approximately located; dotted where concealed.
- Post-accretion thrust fault, sawteeth on upper plate. Dashed where approximately located; dotted where concealed.
- Post-accretion strike-slip fault, arrows denote relative strike-slip displacement. Dashed where approximately located; dotted where concealed.
- Metamorphic core complex (Mid-Cretaceous)

Colors for Tectonic Environments

- Craton
- Passive continental margin
- Cratonal
- Island-arc
- Oceanic
- Accretionary wedge terrane - predominantly oceanic rocks
- Turbidite basin
- Metamorphic (Also includes metamorphosed parts of Bureya superterrane)

Colors for Overlap Deposits and Postaccretionary Assemblages by Age

- Cenozoic
- Late Cretaceous
- Early and Late Cretaceous
- Late Jurassic and Early Cretaceous
- Late Triassic and Middle Jurassic
- Middle Carboniferous and Early Triassic
- Devonian and Early Carboniferous
- Ordovician and Silurian

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PRELIMINARY TERRANE AND OVERLAP ASSEMBLAGE MAP OF RUSSIAN SOUTHEAST

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